

## IN THE CLAIMS

1. (currently amended) A system for inspecting a substrate, the system comprising:  
an inspector having a sensor that inspects the substrate and produces a video  
stream, and a control interface adapted to send and receive a control  
stream,  
5 a network adapted to receive and transport the video stream and the control  
stream as two separate data streams,  
a desktop for receiving the video stream and the control stream as two separate  
data streams, the desktop having a display adapted to present the video  
stream, and the desktop having user interface controls adapted to control  
10 operation of the inspector by use of the control stream across the network,  
and  
a parser adapted to selectively crop the video stream prior to delivery of the video  
stream from the sensor to the desktop, where the selective cropping  
reduces a size of the video stream.
2. (original) The system of claim 1, wherein the inspector is one of an optical  
inspection system, electron beam inspection system, electron beam review  
system, and optical review system.
3. (original) The system of claim 1, wherein the substrate is a semiconductor wafer  
with integrated circuitry at least partially formed thereon.
4. (original) The system of claim 1, wherein the substrate is a mask for use in  
patterning integrated circuits on a semiconductor wafer.
5. (original) The system of claim 1, further comprising an additional video source  
adapted to selectively produce an additional video stream for receipt by the  
desktop, under control of the user interface controls on the desktop.
6. (original) The system of claim 1, wherein the user interface on the desktop  
selectively sets characteristics of the video stream prior to delivery of the video  
stream from the sensor to the desktop.

7. (original) The system of claim 1, further comprising a compressor adapted to selectively compress the video stream prior to delivery of the video stream from the sensor to the desktop.
8. (original) The system of claim 1, further comprising a compressor adapted to selectively compress the video stream prior to delivery of the video stream from the sensor to the desktop, where the compressor compresses the video stream to a variable degree as specified through the user interface controls on the desktop.
9. (original) The system of claim 1, further comprising a decimator adapted to selectively down sample the video stream prior to delivery of the video stream from the sensor to the desktop.
10. (original) The system of claim 1, further comprising a decimator adapted to selectively down sample the video stream prior to delivery of the video stream from the sensor to the desktop, where the decimator down samples the video stream to a variable degree as specified through the user interface controls on the desktop.
- 5 11. (canceled)
12. (previously presented) The system of claim 1, wherein the parser crops the video stream to a variable degree as specified through the user interface controls on the desktop.
13. (original) The system of claim 1, further comprising a codec adapted to selectively set a frame rate of the video stream prior to delivery of the video stream from the sensor to the desktop.
14. (original) The system of claim 1, further comprising a codec adapted to selectively set a frame rate of the video stream prior to delivery of the video stream from the sensor to the desktop, where the codec sets the frame rate of the video stream to a variable degree as specified through the user interface controls on the desktop.
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15. (currently amended) A system for inspecting a substrate, the system comprising:  
an inspector having a sensor that inspects the substrate and produces a video  
stream, and a control interface adapted to send and receive a control  
stream,  
5 a network adapted to receive and transport the video stream and the control  
stream,  
a desktop for receiving the video stream and the control stream, the desktop  
having a display adapted to present the video stream, and the desktop  
having user interface controls adapted to control operation of the inspector  
10 by use of the control stream across the network,  
a compressor adapted to selectively compress the video stream prior to delivery of  
the video stream from the sensor to the desktop,  
a decimator adapted to selectively down sample the video stream prior to delivery  
of the video stream from the sensor to the desktop,  
15 a parser adapted to selectively crop the video stream prior to delivery of the video  
stream from the sensor to the desktop, where the selective cropping  
reduces a size of the video stream, and  
a codec adapted to selectively set a frame rate of the video stream prior to  
delivery of the video stream from the sensor to the desktop.
16. (original) The system of claim 15, wherein the inspector is at least one of an  
optical inspection system, electron beam inspection system, electron beam review  
system, and optical review system.
17. (original) The system of claim 15, wherein the substrate is one of a semiconductor  
wafer with integrated circuitry at least partially formed thereon and a mask for use  
in patterning integrated circuits on a semiconductor wafer.
18. (original) The system of claim 15, wherein the decimator and the parser operate  
cooperatively to selectively down sample the video stream to a lesser degree when  
the video stream is selectively cropped to a higher degree, and to selectively down

5 sample the video stream to a higher degree when the video stream is selectively cropped to a lesser degree.

19. (original) The system of claim 15, further comprising an additional video source adapted to selectively produce an additional video stream for receipt by the desktop, under control of the user interface controls on the desktop.

20. (currently amended) A system for inspecting a substrate, the system comprising:  
an inspector having a sensor that inspects the substrate and produces a video stream, and a control interface adapted to send and receive a control stream,

5 a network adapted to receive and transport the video stream and the control stream,

a desktop for receiving the video stream and the control stream over the network, the desktop having a display adapted to present the video stream, and the desktop having user interface controls adapted to control operation of the inspector by use of the control stream across the network,

10 a compressor adapted to selectively compress the video stream prior to delivery of the video stream from the sensor to the desktop, where the compressor compresses the video stream to a variable degree as specified through the user interface controls on the desktop,

15 a decimator adapted to selectively down sample the video stream prior to delivery of the video stream from the sensor to the desktop, where the decimator down samples the video stream to a variable degree as specified through the user interface controls on the desktop,

20 a parser adapted to selectively crop the video stream prior to delivery of the video stream from the sensor to the desktop, where the parser crops the video stream to a variable degree as specified through the user interface controls on the desktop, where the selective cropping reduces a size of the video stream, and

25 a frame grabber adapted to selectively set a frame rate of the video stream prior to delivery of the video stream from the sensor to the desktop, where the

frame grabber sets the frame rate of the video stream to a variable degree as specified through the user interface controls on the desktop, where the compressor, decimator, parser, and frame grabber all reside within the inspector.